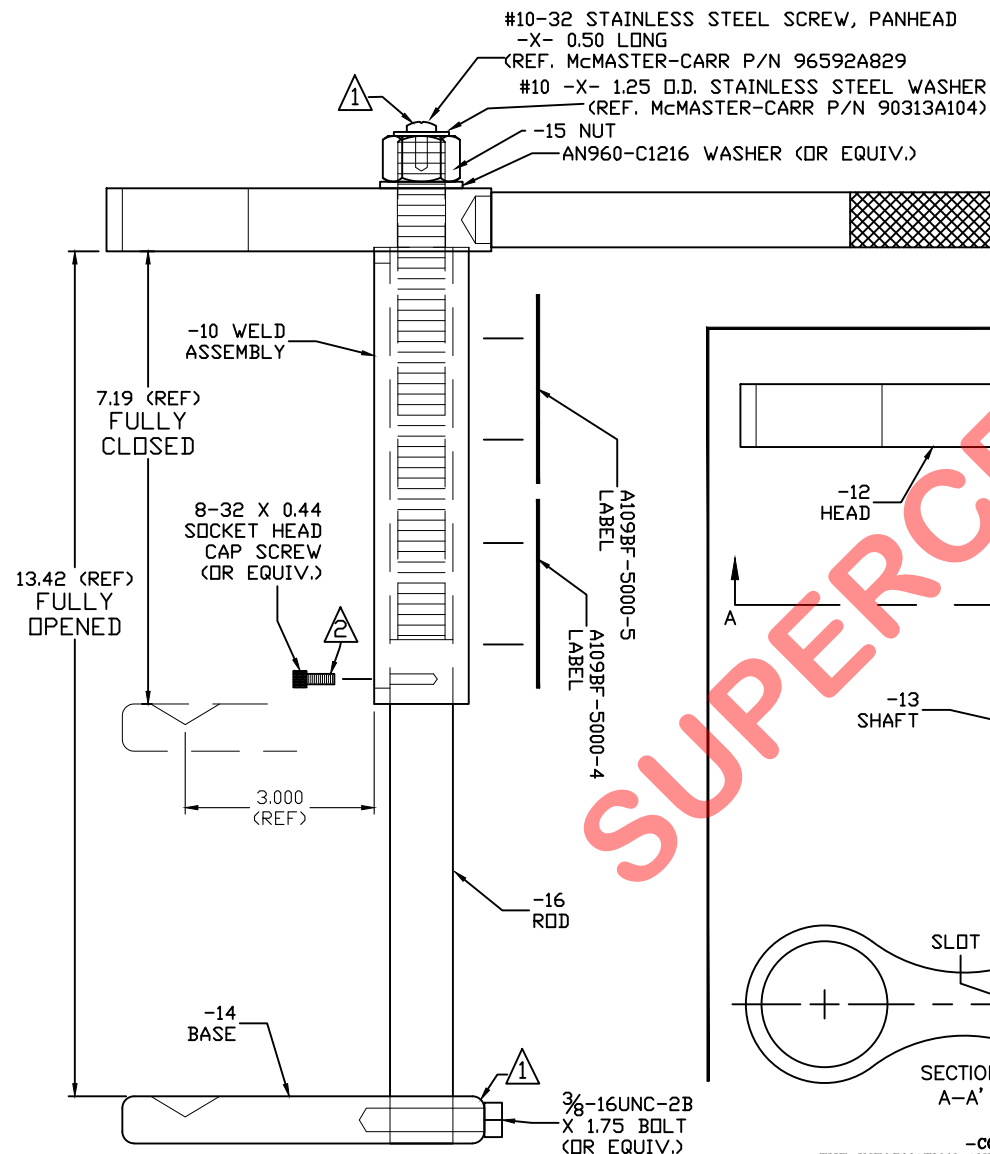


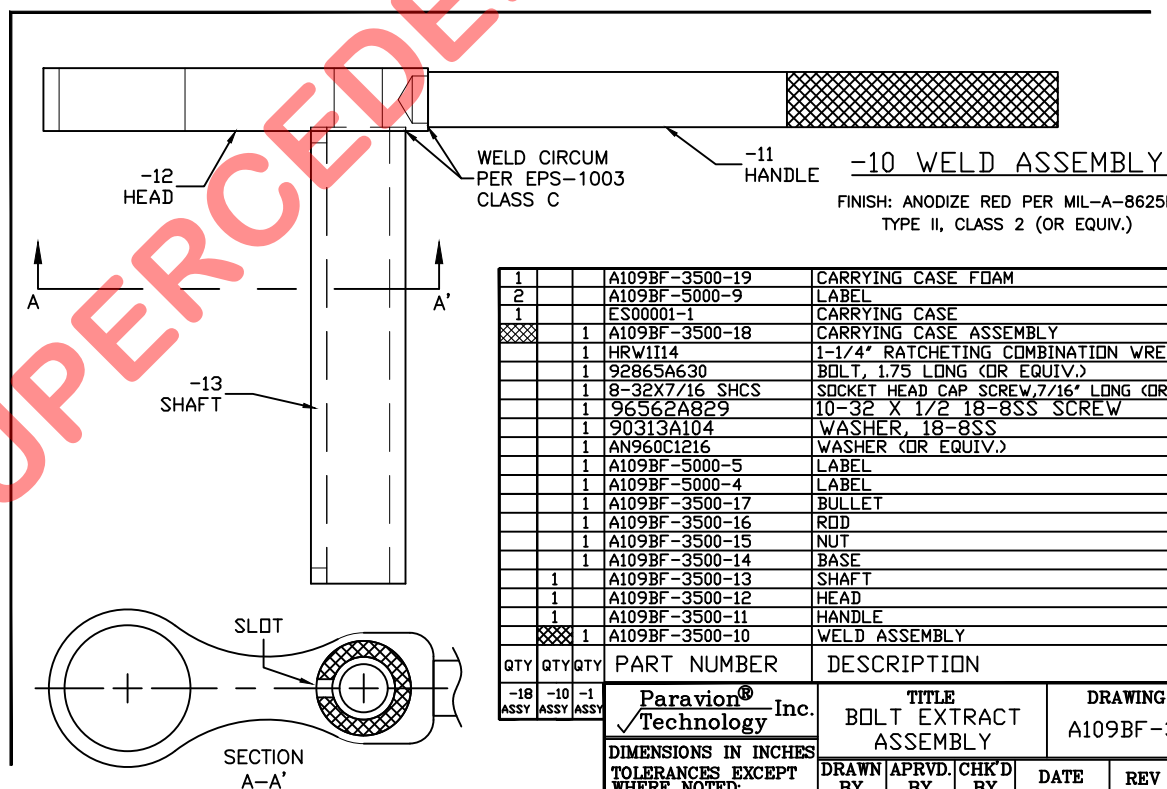
NOTES:

- ① APPLY LOCKTITE P/N 81792 (RED) THREADLOCKER OR EQUIV.
- ② APPLY LOCKTITE P/N 135511 (GREEN) THREADLOCKER OR EQUIV.



BREAK ALL SHARP EDGES

SHEET	REV	DATE	DESCRIPTION	BY	APR	CHK
1,2	A	02/06/09	-1: ADDED LABELS. -10: ADDED WELD NOTE & A-A'. -15: 0.72 WAS 0.65. -16: LENGTH WAS 16.00. -17: ADDED FINISH.		REB	
1,2	B	05/27/09	CRCT'N: -14 STCK WAS 2 X 2.5 & ADDED QQ-A SPEC.		REB	
1,2	C	07/22/2010	96562A829 WAS MS35206-263, 90313A105 WAS AN970-3, -14 DIM 2.00 WAS 1.88, -16 TAP 10-32 WAS 10-24		REB	
1,2	D	01/17/2017	ADDED NOTES 1 & 2, MERGED SHEETS 1 & 2 INTO ONE DRAWING.		PDM	
2	E	06/17/2020	CHANGED -17 BULLET THREAD TOLERANCE FROM 0.005 TO 0.050. 90313A105 NOW 90313A104		DT	
ALL	F	10/1/2020	ADDED SHEETS 3 & 4 WITH -18 & -19. TOLERANCE ADDED TO TO 0.750" DIM ON -11 HANDLE. -15 NUT NOW STAINLESS STEEL. 1-1/16 WRENCH, 3/8-16UNC-28, AND 8-32 SH CAP SCREW CHANGED TO HRV11114, 92865A630, AND 8-32X7/16 SHCS RESPECTIVELY.		DT	

-1 ASSEMBLY

1		A109BF-3500-19	CARRYING CASE FOAM
2		A109BF-5000-9	LABEL
1		ES00001-1	CARRYING CASE
1		A109BF-3500-18	CARRYING CASE ASSEMBLY
1		HRV1114	1-1/4" RATCHETING COMBINATION WRENCH
1		92865A630	BOLT, 1.75 LONG (OR EQUIV.)
1		8-32X7/16 SHCS	SOCKET HEAD CAP SCREW, 7/16" LONG (OR EQUIV.)
1		96562A829	10-32 X 1/2 18-8SS SCREW
1		90313A104	WASHER, 18-8SS
1		AN960C1216	WASHER (OR EQUIV.)
1		A109BF-5000-5	LABEL
1		A109BF-5000-4	LABEL
1		A109BF-3500-17	BULLET
1		A109BF-3500-16	ROD
1		A109BF-3500-15	NUT
1		A109BF-3500-14	BASE
1		A109BF-3500-13	SHAFT
1		A109BF-3500-12	HEAD
1		A109BF-3500-11	HANDLE
1		A109BF-3500-10	WELD ASSEMBLY

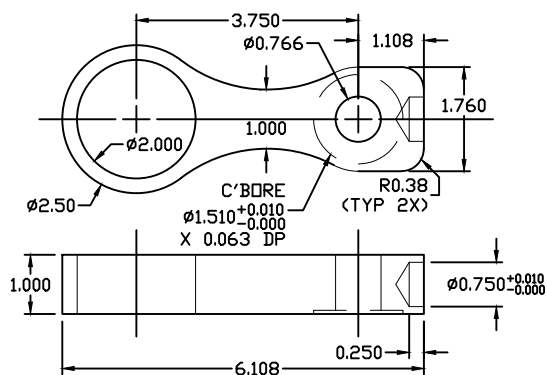
QTY	QTY	QTY	PART NUMBER	DESCRIPTION
-18 ASSY	-10 ASSY	-1 ASSY		
Paravion® Inc.				TITLE
BOLT EXTRACT ASSEMBLY				DRAWING NO.
				A109BF-3500
DIMENSIONS IN INCHES				
TOLERANCES EXCEPT WHERE NOTED:				
.X = ± .1				
.XX = ± .05				
.XXX = ± .010				
ANGLES = ± 1°				
THREADS:				
INTERNAL=CLASS 2B				
EXTERNAL=CLASS 2A				
DO NOT SCALE DRAWING				
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WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

DRAWN BY	APPRD BY	CHK'D BY	DATE	REV	ECO
REB	REB		11/18/08	F	

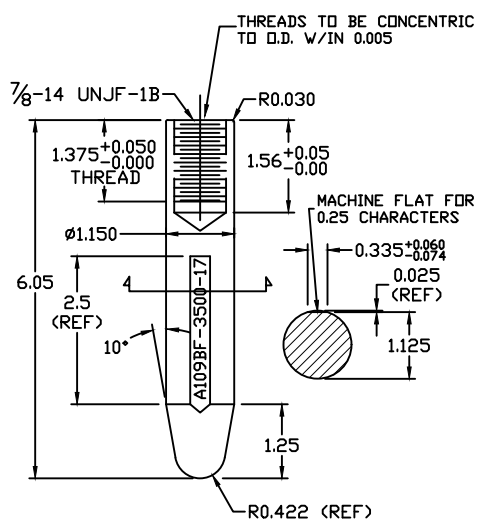
SHEET
1 OF 4



-12 HEAD

MAT'L: 6061-T6 PER QQ-A-200/8
STOCK: 1 1/4 X 2 1/2 BAR (OR EQUIV.)

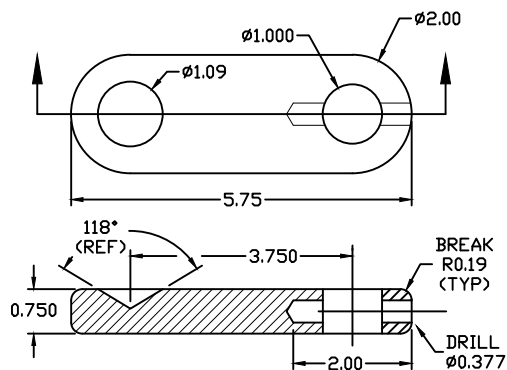
WEIGHT = 0.62 (CALC'D)



-17 BULLET

(REF. AGUSTA P/N 895-3101-240)
MAT'L: 6061-T6 PER QQ-A-225/8
STOCK: 1 1/4 ROD OR EQUIV.
FINISH: ANODIZE RED PER MIL-A-8625F
TYPE II, CLASS 2 (OR EQUIV.)

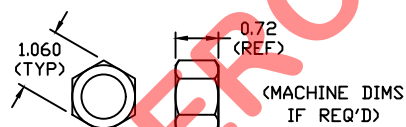
WEIGHT = 0.47 (CALC'D)



-14 BASE

MAT'L: 7075-T6 PER QQ-A-225/9
STOCK: 3/4 X 2 RECT BAR
FINISH: ANODIZE RED PER MIL-A-8625F
TYPE II, CLASS 2 (OR EQUIV.)

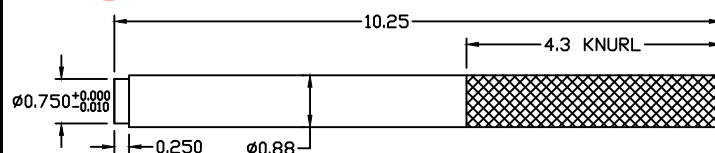
WEIGHT = 0.63 (CALC'D)



-15 NUT

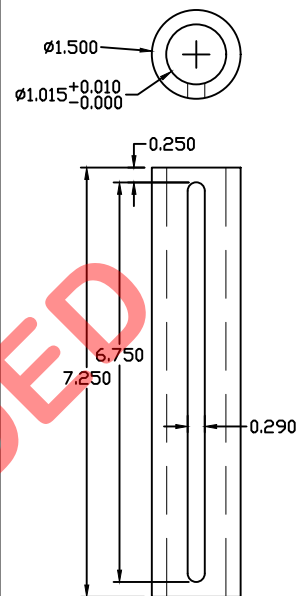
STOCK: 3/4-6 STAINLESS STEEL ACME THD NUT
P/N 95066A217 (OR EQUIV.)
FINISH: (IF MACHINED) PASSIVATE PER ASTM A
967-05 (OR CURRENT REV.)

WEIGHT = 0.10 (CALC'D)



-11 HANDLE

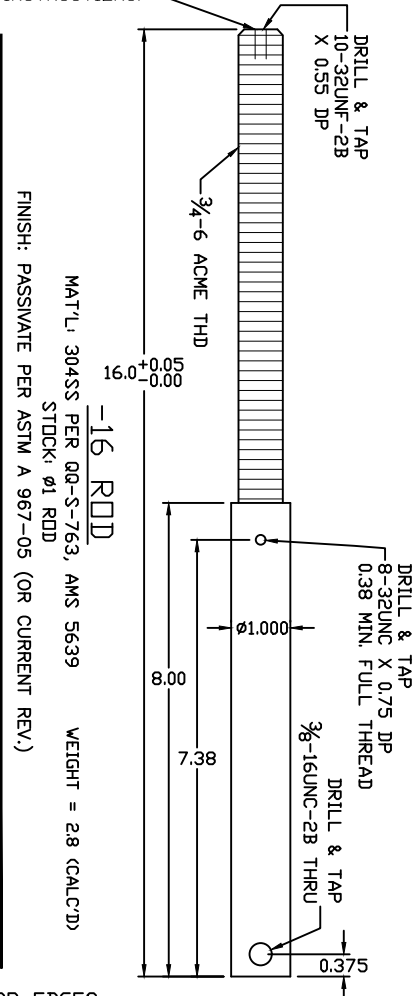
MAT'L: 6061-T6 PER QQ-A-225/8
STOCK: 3/8 ROD
WEIGHT = 0.61 (CALC'D)



-13 SHAFT

MAT'L: 6061-T6 PER QQ-A-225/8
STOCK: 1 1/2 ROD
ALT: 1 1/2 X 1/4-WALL TUBE
WEIGHT = 0.64 (CALC'D)

APPLY EVERLUBE 620C TO THREADS
PER MFG. INSTRUCTIONS.



-16 ROD

MAT'L: 304SS PER QQ-S-763, AMS 5639
STOCK: 1 ROD
FINISH: PASSIVATE PER ASTM A 967-05 (OR CURRENT REV.)

WEIGHT = 2.8 (CALC'D)

BREAK ALL SHARP EDGES

Paravion® Inc.
Technology

DIMENSIONS IN INCHES
TOLERANCES EXCEPT
WHERE NOTED:

.X = ± .1
.XX = ± .05
.XXX = ± .010
ANGLES = ± 1°

THREADS:
INTERNAL=CLASS 2B
EXTERNAL=CLASS 2A

TITLE
BOLT EXTRACT
ASSEMBLY

DRAWN BY
APRVD BY
CHK'D BY
DATE
11/18/08

DO NOT SCALE DRAWING

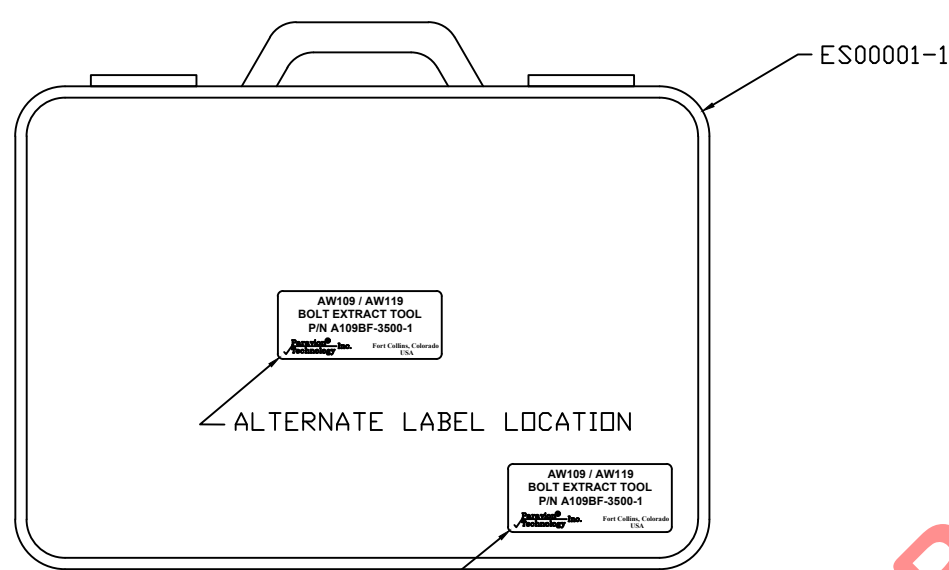
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DRAWING NO.
A109BF-3500

REV
F

SHEET
2 OF 4

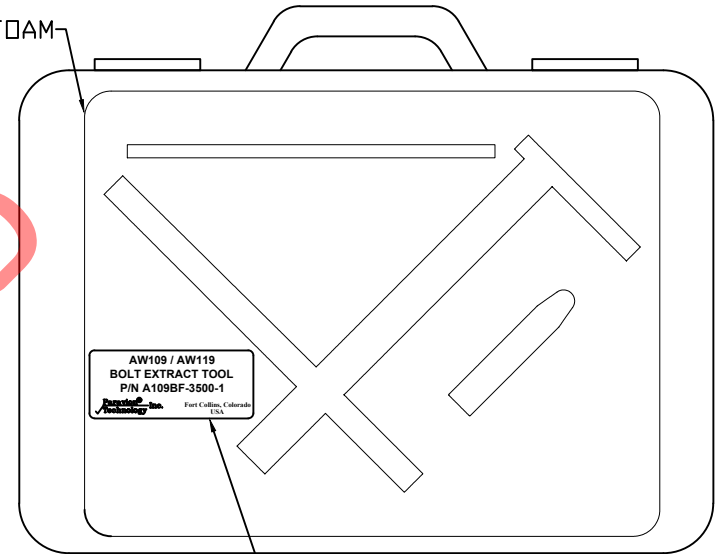
PROTO
3



EXTERIOR VIEW

REMOVE CASE MFG PLACARD IF NECESSARY, THEN INSTALL A109BF-5000-9 USING 3M SUPER WEATHERSTRIP ADHESIVE OR EQUIVALENT. (APPROXIMATE LOCATION SHOWN)

A109BF-3500-19
CARRYING CASE FOAM



INTERIOR VIEW

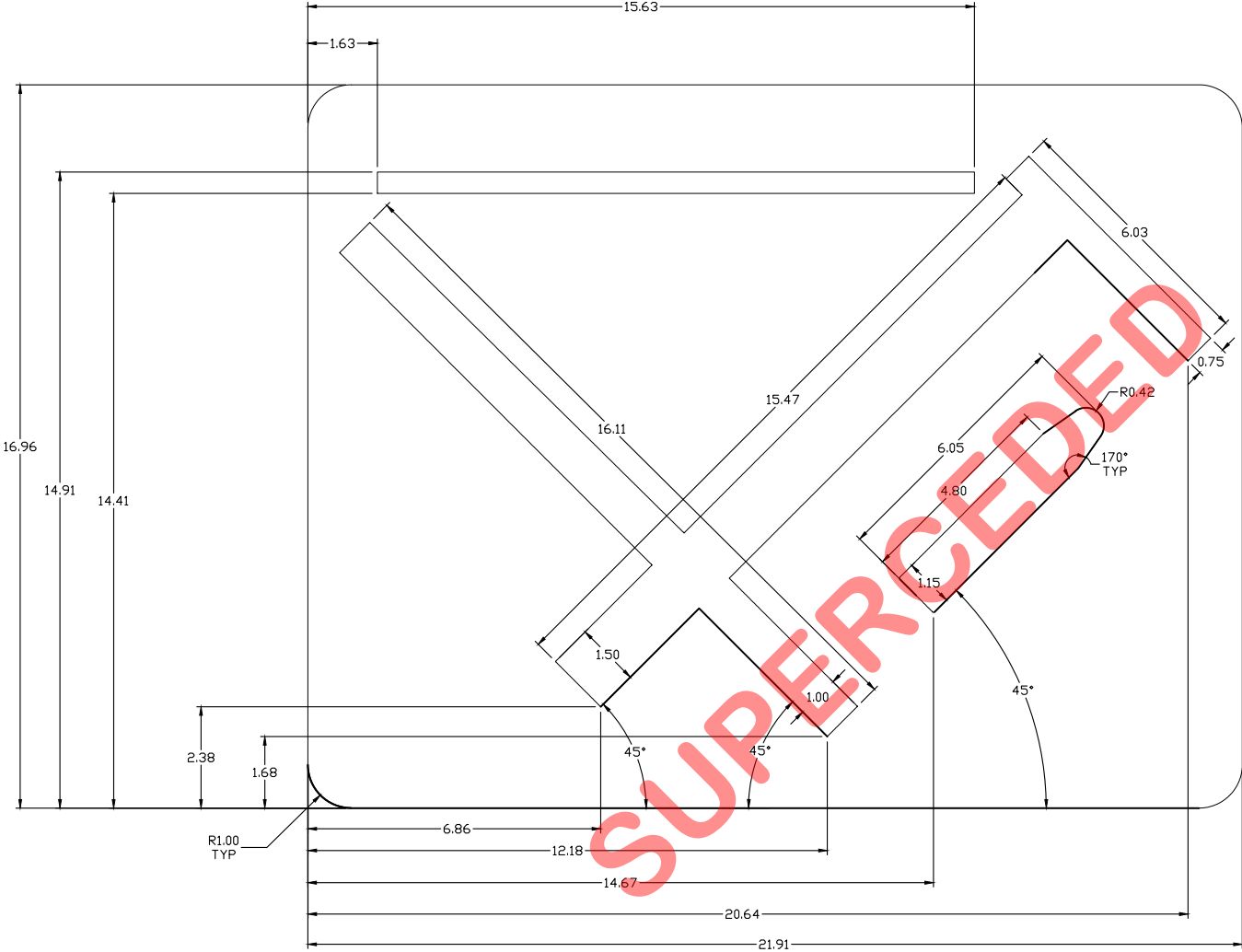
INSTALL A109BF-5000-9 USING 3M SUPER WEATHERSTRIP ADHESIVE OR EQUIVALENT. (APPROXIMATE LOCATION SHOWN)

-18
CARRYING CASE ASSEMBLY
(NOT TO SCALE)

2	A109BF-5000-9	LABEL (ALT: A109BF-5000-10)				
1	A109BF-3500-19	CARRYING CASE FOAM				
1	ES00001-1	CARRYING CASE				
QTY	PART NUMBER	DESCRIPTION				
-18 ASSY	Paravion® Technology Inc.	TITLE BOLT EXTRACT ASSEMBLY			DRAWING NO. A109BF-3500	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	APRVD. BY	CHK'D BY	DATE	REV
.X = ± .1		DT			10/1/2020	F
.XX = ± .05						
.XXX = ± .010						
ANGLES = ± 1°						
THREADS:						
INTERNAL=CLASS 2B						
EXTERNAL=CLASS 2A						
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		SHEET 3 OF 4				

PROTO

3



LASER CUTTING INFO (100W CO2 LASER)	
AIR PRESSURE	50 PSI
DPI	760
POWER	100%
SPEED	3%
PPI	CONTINUOUS

NOTE: RUN LASER CUTTING
OPERATION TWICE DUE TO FOAM
THICKNESS

-19 CARRYING CASE
FOAM
MAT'L: TOP 1 1/2" FOAM LAYER FROM
ES00001-1 CASE

PROTO

Paravion® Technology Inc.		TITLE BOLT EXTRACT ASSEMBLY		DRAWING NO. A109BF-3500	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	APRVD. BY	CHK'D BY	DATE
.X = ± .1		DT			10/1/2020
.XX = ± .05					
.XXX = ± .010					
ANGLES = ± 1°					
THREADS:		DO NOT SCALE DRAWING			SHEET
INTERNAL=CLASS 2B		© 2020 PARAVION TECH., INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC.			4 OF 4
EXTERNAL=CLASS 2A					